

CLAIMS

What is claimed is:

1. A radiator coolant additive comprising:

an electrical mineral powder; and

a surfactant that facilitates dispersion of the electrical mineral powder when the radiator coolant additive is mixed with a radiator coolant.

2. The radiator coolant of claim 1, wherein the electrical mineral powder is a strontium mineral powder.

3. The radiator coolant additive of claim 2, further comprising at least one of beta quartz and Anorthite.

4. The radiator coolant additive of claim 3, wherein said at least one of beta quartz and Anorthite is included in the radiator coolant additive in a range of about 10% to about 30% by volume.

5. The radiator coolant additive of claim 2, wherein strontium of the strontium mineral powder is included in the radiator coolant additive in a range from about 0.5% to about 1.0% by volume.

6. The radiator coolant additive of claim 2, further comprising:

ethylene glycol; and

acidic water.

7. The radiator coolant additive of claim 2, wherein the surfactant comprises an ion surfactant.
8. The radiator coolant additive of claim 2, wherein the surfactant comprises a non-ion surfactant.
9. The radiator coolant additive of claim 2, further comprising:
 - an organic acid; and
 - carboxylate.
10. The radiator coolant additive of claim 1, wherein the electrical mineral powder is a zirconium mineral powder.

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11. A method for operating an automobile engine, comprising:
adding a coolant additive to radiator coolant used in a radiator of the automobile,
the coolant additive including:
a strontium mineral powder; and
a surfactant that facilitates dispersion of the electrical mineral powder
when the radiator coolant additive is mixed with the radiator coolant; and
causing an engine of the automobile to operate and perform combustion of fuel
while being cooled by the radiator coolant having added thereto the coolant additive.

12. The method of claim 11, wherein emissions of the engine are reduced compared
to emissions that would have been produced in the absence of the coolant additive.

13. The method of claim 11, wherein fuel efficiency of the automobile is increased
compared to fuel efficiency that would have been produced in the absence of the coolant
additive.

14. The method of claim 11, wherein engine noise from the engine is reduced
compared to engine noise that would have been produced in the absence of the coolant additive.

15. The method of claim 11, wherein horsepower of the engine is increased
compared to horsepower that would have been produced in the absence of the coolant additive.

16. The method of claim 11, wherein combustion of the fuel is more complete compared to the combustion that would have been produced in the absence of the coolant additive.

17. The method of claim 11, wherein odors in a passenger cabin of the automobile are reduced compared to odors that would have existed in the absence of the coolant additive.

18. The method of claim 11 wherein, during operation of the engine, the coolant becomes positively charged.

19. The method of claim 18 wherein, during the operation of the engine, fuel within the engine becomes negatively charged.

20. The method of claim 19, wherein, during operation of the engine, an electrical current is established between the coolant to the fuel within the engine and passes through a piston of the engine.

21. A method of manufacturing a coolant additive, comprising:

obtaining a strontium mineral powder that includes at least one of beta quartz and Anorthite;

heating the strontium mineral powder to a temperature of at least 800°C;

mixing the strontium mineral powder with acidic water.

22. The method of claim 21, further comprising, prior to mixing the strontium mineral powder with the acidic water, mixing the strontium mineral powder with other strontium mineral powder that has not been heated to at least 800°C.

23. The method of claim 21, wherein the strontium mineral powder, after having been mixed with the acidic water, is included in the coolant additive in a range from about 10% to about 30% by volume.